

ActivBoard+2 300 PRO Range

Product Specifications

INTERACTIVE WHITEBOARD SYSTEM

The ActivBoard+2 is the consummate attention grabber with integrated sound and a state-of-the-art short-throw projector. From the audience, eyes can't help but face forward.

ACTIVBOARD GENERAL SPECIFICATIONS

Internal Resolution	2730 points (lines) per inch
Output Resolution	200 points (lines) per inch
Tracking Rate	200 inches per second providing a fast response to pen commands
Output Rate	120 coordinate pairs per second
User Input	Cordless Battery-free pen incorporating tip switch and side switch for full mouse functionality (ActivPen)
Digitizing Technology	Passive Electromagnetic
Power Requirement	USB powered device
Connection to Computer	USB
Screen Surface	Low Glare Melamine
Certifications	UL, CE, FCC
Dual User Functionality	2 Teacher and 2 Student ActivPens included
Integrated USB Sound	Two integrated slim line speakers and amplifier (with controls, inputs and outputs)
Upgrade Option	Wireless connection to computer
Packed Contents List	ActivBoard, 2 ActivPens (Teacher), 2 ActivPens (Student), 1 Amp PSU, Installation Guide, Access to ActivInspire Professional Edition via download from Promethean Planet; mains cable (power cord) shipped separately



INTEGRATED USB SOUND SPECIFICATIONS

Amplifier Power Output	20W per channel RMS (<1% distortion)
Controls	Volume, Base, Treble, on/off
Amplifier Frequency Response	40Hz to 18kHz +/-3dB (at 1W)
USB Sound	USB Sound supported for Minimum System Requirements stated
Connectivity – Inputs (4)	Stereo PC, Stereo CD/DVD, Mono Auxiliary, Microphone to PC via PC
Connectivity – Outputs (2)	2 Stereo
Power Requirement	18V 3.3 Amp

ACTIVBOARD SPECIFICATIONS

Model	ActivBoard 378 Pro	ActivBoard 387 Pro	ActivBoard 395 Pro
ActivBoard Size	78in	87in	95in
Resolution	12800 x 9200	14600 x 9200	17200 x 9200
Screen Formats	4:3	16:10	16:9
Overall Dimensions	1868mm x 1329mm (73.5in x 52.3in)	2105mm x 1329mm (82.9in x 52.3in)	2412mm x 1329mm (95in x 52in)
Active Area Dimensions	1628mm x 1175mm (64in x 46in)	1865mm x 1175mm (73in x 46in)	2172mm x 1175mm (86in x 46in)
Active Area Diagonal	2000mm (78.7in)	2196mm (86.5in)	2462mm (96.9in)
Actual Image Diagonal	1958mm (77.1in)	2193mm (86.4in)	2397mm (94.4in)
Board Weight	28kg (62lb)	32kg (71lb)	35kg (77lb)
Packed Weight	43.5kg (96lb)	48kg (106lb)	51.5kg (114lb)

MINIMUM COMPUTER REQUIREMENTS

Operating Systems	Windows XP SP2 and above (XP/Vista/7); Mac OSX 10.4.11 – 10.6.1 (Tiger/Leopard/Snow Leopard); Linux Ubuntu 8.04, 8.10, 9.04, 9.10; Mandriva
PC	Pentium 4 – 1 GHz processor (800MHz for Vista), 512 MB of RAM, 1024x768 resolution, 1.5 GB of Free Disk space
Mac	Macintosh Intel Processors (Universal Binary), 512 MB of RAM, 1024x768 resolution, 3.0 GB of Free Disk Space
Installation	ActivBoard+2 system requires installation by an certified Promethean installer. Components supplied and minimum specifications stated have been tested and are required for optimal performance. Use of components not supplied by Promethean or not meeting minimum specifications may impact performance and affect warranty. Contact your Promethean partner or visit www.prometheanwb.com for more information.

ADJUSTABLE FRAME SPECIFICATIONS

Board Size	Accommodates ActivBoards 378 Pro, 387 Pro and 395 Pro
Height Settings	Height-adjustable mount, with 600mm (24in) of adjustment from 400mm (16in) to 1000mm (39in). Top limit stop is fitted if the full range of movement is not required/appropriate. Height adjustment is powered by an electrical motor and is operated by using a remote control unit attached to the stand.
Projector Mount	Aluminium arm, extends 1670mm (67.5in) from the wall, adjusts with the height of the Activboard reducing the need for specific re-calibration following height adjustment.
Room Height Requirements	Min. 2.68m (105.5") for full range operation
Integrated Power Management	For ActivBoard, Projector and Actuator
Actuator	<p>Input Voltage: 24VDC Max Load: 750N Static Load: more than 750N Speed: 40mm/s (no load), 25mm/s (750N) Stroke Length: 600 ± 2mm Retracted Length: 795 ± 2mm End Mounting Dimension: H Type, ø10.1 hole, 6.3mm Slot Limit Switch: Built-in Duty Cycle: S2-10min Temperature: -26°- 65°C IP Degree: IP54 AC-DC Adaptor: Input Voltage: 100 ~ 240VAC Output Voltage: 29VDC Current: 2Amp (4Amp protected) Cable and Plug: 1.5m, IEC Plug</p>
Weight (approx.)	Approx. 58kg (127.9lb) excl. board, projector and cabling
Complete System Weight	Approx. 88kg (194lb) (when ActivBoard 378 Pro fitted)
Cable Kit Contents	Connectivity box with inputs for 2 x PC inputs (VGA & Audio RCA), USB input, S-video and composite video, plus auxiliary audio RCA inputs. Box also has VGA switch for PC inputs and volume control for audio output cable. Box is mounted to the frame and can be placed on either side of the system. 2m (6ft) USB patch cable (to connect computer to face plate). 2m (6ft) 3.5mm Jack to RCA cable for PC audio input (to connect computer to face plate). 2m (6ft) VGA cable provided in the projector box (to connect the computer to the face plate).
Pack Weights & Dimensions	<p>Box 1 of 4: 24kg (53lb) Dimensions: 2020mm x 300mm x 220mm (79.5in x 11.8in x 8.7in) Contents: Extrusions and boom assembly</p> <p>Box 2 of 4: 27kg (60lb) Dimensions: 1270mm x 1000mm x 170mm (50in x 39.4in x 6.7in) Contents: Projector plate and accessories</p> <p>Box 3 of 4: 15kg (33lb) Dimensions: 1170mm x 250mm x 180mm (46.1in x 9.8in x 7.1in) Contents: Actuator cover and frame cables</p> <p>Box 4 of 4: 2.6kg (5.7lb) Dimensions: 360mm x 250mm x 170mm (14.2in x 9.8in x 6.7in) Contents: Cable wall box</p>

PROJECTOR SPECIFICATIONS

Model	PRM-30 (LCD)	PRM-25 (DLP)
Native Resolution	WXGA (1280 x 800)	WXGA (1280 x 800)
Compressed Resolution	up to 1080i	up to 1080i
Typical Colours	16.77 million colors	16.77 million colors
Brightness (ANSI lumens)	1900lm/1500lm/ 2500lm (normal/normal 2/high)	1600 ANSI (normal), 2000 ANSI (high)
Contrast Ratio	500:1	2000:1
Noise Level	29dB (normal), 36dB (high brightness mode)	29dB (normal) 34dB (high brightness mode)
Dimensions (w x d x h)	382mm x 430mm x 129mm (15in x 16.9in x 5in)	335mm x 102mm x 256mm (13.2in x 4.0in x 10.1in)
Weight	5.7kg (12.5lb)	3.45kg (7.6lb)
Aspect Ratio	16:10 (native), 4:3, 16:9	16:10 (native), 4:3, 16:9
Power Consumption	317W (<0.8W standby)	240W (<1W standby)
Device Type	LCD technology	DLP Technology
Focus	Manual Focus	Manual Focus
Zoom	Digital Zoom	Digital Zoom
Focal Length	Fixed	7.27 F=2.86
Projection Distance	0.54m ~ 1.22m (21.3in ~ 48in)	0.54m ~ 1.22m (21.3in ~ 48in)
Projection Screen Size	1.27m ~ 1.22m (50in ~110in)	1.27m ~ 1.22m (50in ~110in)
Lamp Type	230W lamp	230W lamp (190~180W)
Lamp Life	4000 hrs (normal); 3000 hrs (high)	4000hrs (normal) 2500hrs (high)
Keystone Correction	Vertical: $\pm 20^{\circ}$	Vertical: max $\pm 15^{\circ}$
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)	5°C ~ 35°C (41°F ~ 95°F)
Power Supply Voltage	100-240V AC, 50/60Hz	100 ~120V/200 ~ 240V AC, 50/60Hz
Horizontal Scan Rate	15Hz ~ 90kHz	15Hz ~ 90kHz
Vertical Scan Rate	50Hz ~ 85 Hz	50Hz ~ 85 Hz
Computer Compatibility	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)	IBM PC and Compatibles; Apple Macintosh, iMac, and VESA Standards WSXGA+ (1,680 x 1,050), WXGA+ (1,440 x 900), WXGA (1,280 x 800, 1,280 x 768), UXGA (1,600 x 1,200), SXGA+ (1,400 x 1,050), SXGA (1,280 x 1,024), XGA (1,024 x 768), SVGA (800 x 600), VGA (640 x 480)

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PROJECTOR SPECIFICATIONS (CONTINUED)

Video Compatibility	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)	NTSC (3.58/4.43), PAL (B/D/G/H/I/M/N), SECAM (B/D/G/K/K1/L), HDTV (720p, 1080i, 1035i), EDTV (480p, 575i), SDTV (480i, 576i)
Inputs	D-sub 15-pin (RGB) D-sub 15-pin (RGB) selectable HDMI (Digital RGB) RCA S-Video Stereo mini-jack RCA (white/red) LAN (RJ45) RS-232C (D-sub 9-pin)	RGB/Component Scart RGB (Dsub15) x 1 Monitor out or RGB In (Dsub 15) x 1 HDMI V.1.3 only for Video & Audio USB control S-Video (Mini DIN 4-pin) x 1 Composite Video (RCA) x 1 Audio (RCA) x 2 (R,L mono) Audio mini jack (stereo) x 1 Networking LAN RJ45 x 1 Serial (mini DIN 8-in) x 1
Colour	Silver	Grey
Security	Kensington Lock, Security cable bar option, pin code security, remote control operated only	Kensington Lock; PIN code lock and logo PIN lock
On-screen Menu	Arabic, Chinese (Simplified), Chinese (Traditional), Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Kazak, Korean, Norwegian, Polish, Portuguese, Portuguese (Brazilian), Romanian, Russian, Spanish, Swedish, Turkish	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish
Advanced Feature	Long Life Filter – 4000hrs Cable Management Cover Quick Lamp Access Direct power on/off	Filter-less 3D Ready Quick Lamp Access Direct power on/off
Packed Contents List	Power cord, computer cable (Dsub 15-Dsub 15), wireless remote, PIN code label, owner's manual (CD-ROM & Quick Start Guide)	Power cord, computer cable (Dsub15-Dsub15), wireless remote, owner's manual (CD-ROM & Quick Start Guide)

UPGRADE AND ACCESSORY OPTIONS

Wireless Upgrade Pack 300 Pro	Allows the ActivBoard 300 Pro to connect to the computer wirelessly; includes an ActivHub (2.4 GHz) and Quick Start Guide
ActivWand 50	Wireless, battery free and extended reach input device for the ActivBoard – 540mm (21.2in) in length; "left click", cursor and hover, just like a mouse

WARRANTY AND SUPPORT

ActivBoard, Adjustable Stand	Three-Year Warranty with Three-Year Email and Telephone Support. Additional Two-Year Warranty and Two-Year Email and Telephone Support upon registration.
PRM-30 and PRM-25	Three-Year Projector and Three-Year/3000hr Lamp Warranty with Three-Year Email and Telephone Support.
ActivPen	One-Year Warranty and 90-Day Telephone Support
Support	Online Support for all Promethean Products available from: www.prometheankb.com

TECHNICAL DRAWING SPECIFICATIONS

